PATENT PFIZER ANN ARBOR MI

A0000506-01-DRK

Amendments to the Claims:

1. (Cancelled)

(Currently Amended) A method for preventing or treating gastrointestinal disorders comprising administering to a patient in need of treatment an effective amount of a compound of formula I-IV:

or a pharmaceutically acceptable salt thereof, wherein n is an integer of from 1 to 4.

(Currently Amended) The method of Claim 1-or-2, wherein the compound is selected from:

(1α,6α,8β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)-acetic acid,

 $(1\underline{\alpha}+3\underline{\alpha}+5\underline{\alpha}+)-3$ -aminomethyl-bicyclo[3.2.0]heptane-3-acetic acid.

(1α,5β)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid,

(1α,5β)(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)-acetic acid,

(1α,5β)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

 $(1\alpha,6\beta)(2$ -Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(1α,7β)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,

 $(1\alpha,5\beta)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)$ -acetic acid,

(1α,5β)(3-Aminomethyl-bioyclo[3.2.0]hept-3-yl)-acetic acid,

-3-

A0000506-01-DRK

(1α,5β)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid, (1α,6β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid. $(1\alpha,7\beta)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,$ (1α,3α,5α)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid, (1α,3α,5α)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid, (1α,6α,8α)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid, (1α,7α,9α)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid. (1α,3β,5α)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid, $(1\alpha,3\beta,5\alpha)(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)$ -acetic acid, (1α,3β,5α)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid, (1α,6α,8β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid. (1α,7α,9β)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid. ((1R,3R,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid. ((1R,3S,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3S,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid. ((1S,3R,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3R,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1R,3S,6S)-3-Aminomethyl-bicyclo[4,2.0]oct-3-yl)-acetic acid. ((1S,3S,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid. ((1S,3R,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((3αR,5R,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3\alpha,5S,7\alphaS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3αS,5S,7αR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid. ((3\alphaS,5R,7\alphaR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((2R,4\alpha\$,8\alpha\$R)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid. ((2S,4aS,8aR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid. ((2S,4\alphaR,8\alphaS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic :cid, ((2R,4\alpha R,8\alpha S)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2R,4aS,9aR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid.

4-

A0000506-01-DRK

((2S,4αS,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, ((2S,4αR,9αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, ((2R,4αR,9αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, ((1R,3R,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3S,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid. ((1S,3S,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3R,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3R,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid. ((1R,3S,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1S,3S,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1S,3R,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((3αR,5R,7αR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3aR,5S,7aR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3aS,5S,7aS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3αS,5R,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((2R,4\alpha R,8\alpha R)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2S,4\alphaS,8\alphaR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic ecid, ((2S,4αR,8αS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2R,4αS,8αS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2R,4\alphaR,9\alphaR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl,- acetic acid, ((2S,4αR,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, ((2S,4αS,9αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, and ((2R,4\alphaS,9\alphaS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl) acetic acid, or a pharmaceutically acceptable salt thereof.

3

(Currently Amended) The method according to Claim 1-or-2, where n the compound is the compound of formula I or a pharmaceutically acceptable salt thereof.

5. (Cancelled)

-5-

PATENT PFIZER ANN ARBOR MI

A0000506-01-DRK

- (Currently Amended) A method for preventing or treating gastrointestinal disorders comprising administering to a patient in need of treatment ar effective amount of $(1\underline{\alpha}+3\underline{\alpha}+5\underline{\alpha}+5\underline{\alpha}+)$ -3-aminomethyl-bicyclo[3.2.0]heptane-3-acetic acid or a pharmaceutically acceptable salt thereof.
- 5 1. (Currently Amended) The method according to any one of Clains 2, 3 wherein the disorder is functional bowel disorder or inflammatory bowel disease.
- 8. (Original) The method according to Claim 7, wherein the functional bowel disorder is gastro-esophageal reflux, dyspepsia, irritable bowel syndrome or functional abdominal pain syndrome.
- (Original) The method according to Claim,, wherein the inflamm tory bowel disease is Crohn's disease, ileitis or ulcerative colitis.
 - . 10. (Cancelled)
 - 11. (Cancelled)
 - 12. (Cancelled)
 - 13. (Cancelled)
 - 14. (Cancelled)
 - (Previously Added) A method for treating irritable bowel syndrome comprising administering to a patient in need of treatment an effective amount of a compound of formula I-IV:

-6-

A0000506-01-DRK

or a pharmaceutically acceptable salt thereof, wherein n is an integer of from 1 to 4.

(Previously Added) The method of Claim 1/5, wherein the compound is selected from:

(1α,6α,8β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)-acetic acid,

(1α,3α,5α)-3-aminomethyl-bicyclo[3,2,0]heptane-3-acetic acid,

(1α,5β)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid,

(1α,5β)(3-Aminomethyl-bicyclo[3,2,0]hept-3-yl)-acetic acid,

(1α,5β)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

(1α,6β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(1α,7β)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,

(1α,5β)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid,

(1α,5β)(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)-acetic acid,

(1α,5β)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

(1α,6β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid,

(1α.7β)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,

(1α,3α,5α)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid,

(1α,3α,5α)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid,

 $(1\alpha,6\alpha,8\alpha)(2-Aminomethyl-octahydro-inden-2-yl)$ -acetic acid,

(1α,7α,9α)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,

(1α,3β,5α)(3-Aminomethyl-bicyclo[3.1.0]hex-3-yl)-acetic acid,

-7-

A0000506-01-DRK

 $(1\alpha,3\beta,5\alpha)(3-Aminomethyl-bicyclo[3.2.0]hept-3-yl)$ -acetic acid, (1α,3β,5α)(2-Aminomethyl-octahydro-pentalen-2-yl)-acetic acid, (1α,6α,8β)(2-Aminomethyl-octahydro-inden-2-yl)-acetic acid, $(1\alpha,7\alpha,9\beta)(2-Aminomethyl-decahydro-azulen-2-yl)-acetic acid,$ ((1R,3R,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3S,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3S,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3R,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((IR,3R,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1R,3S,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1S,3S,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1S,3R,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((3αR,5R,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid ((3αR,5S,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3aS,5S,7aR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((3αS,5R,7αR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid, ((2R,4\alphaS,8\alphaR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2S,4\alphaS,8\alphaR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2S,4αR,8αS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2R,4αR,8αS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid, ((2R,4αS,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-)1)- acetic acid, ((2S,4αS,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, ((2S,4\alpha,9\alphaS)-2-Aminomethyl-decahydro-benzocyclophepten-2-y.)- acetic acid, ((2R,4\alpha R,9\alpha S)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid. ((1R,3R,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3S,6S)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3S,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1S,3R,6R)-3-Aminomethyl-bicyclo[4.1.0]hept-3-yl)-acetic acid, ((1R,3R,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid, ((1R,3S,6R)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid,

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-8-

A0000506-01-DRK

((1S,3S,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid,
((1S,3R,6S)-3-Aminomethyl-bicyclo[4.2.0]oct-3-yl)-acetic acid,
((3αR,5R,7αR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid,
((3αR,5S,7αR)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid,
((3αS,5S,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid,
((3αS,5R,7αS)-5-Aminomethyl-octahydro-inden-5-yl)-acetic acid,
((2R,4αR,8αR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid,
((2S,4αS,8αR)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid,
((2S,4αR,8αS)-2-Aminomethyl-decahydro-naphthalen-2-yl)-acetic acid,
((2R,4αS,8αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid,
((2R,4αR,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid,
((2S,4αR,9αR)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid,
((2S,4αS,9αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid, and
((2R,4αS,9αS)-2-Aminomethyl-decahydro-benzocyclophepten-2-yl)- acetic acid,
or a pharmaceutically acceptable salt thereof.

- (Previously Added) The method according to Claim 15, wherein the compound is the compound of formula I or a pharmaceutically acceptable salt thereor.
- (Currently Amended) A method for treating irritable bowel syndron e comprising administering to a patient in need of treatment an effective amount of (1\omega=3\omega=\frac{1}{2}\omega=3\omega=3\omega=2-acetic acid or a pharmaceutically acceptable salt thereof.
 - (Previously Added) A pharmaceutical composition for the treatment of irritable bowel syndrome of comprising a compound of formula I-IV.
 - (Currently Amended) The pharmaceutical composition according to claim 19 comprising (1\alpha+3\alpha+5\alpha+)-3-aminomethyl-bicyclo[3.2.0]heptane-4-acetic acid.

DRK A506 US Response 1-16-2004

cancelles 5